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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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Calcutta, the 7th March 1998

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पेटेंट कार्यालय

एकसू तथा अभिकल्प

कलकत्ता, दिनांक 7 मार्च, 1998

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जिन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, लंडन इस्टेट,
तीसरा तल, लॉअर चरनेल (प.),
मुम्बई-400013 ।

गुजरात, महाराष्ट्र, मध्य प्रदेश
तथा गोआ राज्य क्षेत्र एवं संघ
शासित क्षेत्र, वस्मन तथा दीव एवं
दावर और नगर हवेली ।

तार पता - "पेटेंटॉफिस"

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, कोरल बाग,
नई दिल्ली-110 005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्र एवं संघ शासित क्षेत्र चंडीगढ़ ।

तार पता - "पेटेंटॉफिक"

पेटेंट कार्यालय शाखा,
विंग "सी" (सी-4, ए),
तीसरा तल, राजाजी भवन,
वसन्त नगर, चेन्नई-600090 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु
तथा पाण्डिचेरी राज्य क्षेत्र एवं
संघ शासित क्षेत्र, लक्षद्वीप, मिनिक्काय
तथा एमिनिदिदि द्वीप ।

तार पता - "पेटेंटॉफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कलकत्ता-700 020 ।

भारत का अवशेष क्षेत्र ।

तार पता - "पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में
अपीकृत सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शुल्क : शुल्कों की अवधि या तो नकद की जाएगी अथवा
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा
ड्राफ्ट आदेश या जहाँ उपयुक्त कार्यालय अवस्थित है, उस स्थान
के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा
बैंक द्वारा की जा सकती है ।

APPLICATION FOR THE PATENT FILED AT THE
HEAD OFFICE, 234/4, ACHARYA JAGADISH BOSE
ROAD, CALCUTTA-20

The dated shown in the crecent bracked are the dated
claimed under section 135, under Patent Act, 1970.

12-01-1998

- 47/Cal/98 Philips Electronics N. V., "Method of, and apparatus for processing low power pseudo-random code sequence signals". (Convention No. 9700776.9 on 15-1-97 in GB).
- 48/Cal/98 Zellweger Uster, Inc., "On-line sliver monitor". (Convention No. Nil on 23-12-97 in US).
- 49/Cal/98 Siemens Aktiengesellschaft, "Chip card module". (Convention No. 19701165.9 on 15-1-97 in Germany).
- 50/Cal/98 Saint-Gobain Vitrage, "Silica-Soda-Lime glass composition and their applications". (Convention No. FR-97/00498 on 17-1-97 in France).
- 51/Cal/98 K-Tron Technologies, Inc., "Continuous weighing meter".

13-01-1998

- 52/Cal/98 Tushar Kanti Chaudhuri, "Chaudhuri solar refrigerator".
- 53/Cal/98 Shiv Sinhal, "A novel protection unit for electronic chokes".
- 54/Cal/98 Chiptec International Ltd., "Identity card, information carrier and housing for its application".
- 55/Cal/98 CCS Chipcard & Communication system GmbH, "Chip card and terminal therefor".
- 56/Cal/98 Beringer-Hydraulik AG., "Device for controlling of a hydraulic lift". (Convention No. 0260/97 on 6-2-97 & 0693/97 on 22-3-97 in Switzerland).
- 57/Cal/98 Siemens Aktiengesellschaft, "Electric switching device". (Convention No. 19700846.1 on 13-1-97 in Germany).
- 58/Cal/98 Komet Präzisionswerkzeuge Robert Breuning GmbH, "Tool head for use in machine tools". (Convention No. 19702219.7 on 23-1-97 in Germany).

- 59/Cal/98 Siemens Aktiengesellschaft, "Device for adjustment of the contact point of plug contacts of a distributor element". (Convention No. 19700-843.7 on 13-1-97 in Germany).

14-01-1998

- 60/Cal/98 Pan Chemicals S.P.A., "A shot-blasting machine for cleaning a linear metal element". (Convention No. MI-97 A 00055 on 15-1-97 in Italy).
- 61/Cal/98 Railhead underground products LLC. A method of forming bore-holes in earth and rock formations for the purpose of installing utilities there-through by horizontal directional drilling in earth/rock". (Convention No. 60/040,747 on 5-2-97 & 08/968,484 on 12-11-97 in U.S.A.).
- 62/Cal/98 Railhead underground products, LLC., "Drill bit for horizontal directional drilling of rock formations and a horizontal directional drilling system". (Convention No. 60/040,747 on 5-2-97 & 08/968,254 on 12-11-97 in U.S.A.).
- 63/Cal/98 Separation Technologies, Inc., "Belt separator system having improved belt geometry". (Convention No. 08/782,306 on 15-1-97 in U.S.A.).
- 64/Cal/98 Siemens Aktiengesellschaft, "Chip Card". Convention No. 19701167.5 on 15-1-97 in Germany).
- 65/Cal/98 E.I. Du Pont De Nemours and Co., "Herbicide tetrazolinones". (Convention No. 60/038,623 on 18-2-97 & 60/045,168 on 30-4-97 in U.S.A.).
- 66/Cal/98 E.I. Du Pont De Nemours and Co., "Herbicide composition for rice". (Convention No. 60/039,713 on 12-2-97; 60/042,007 on 17-4-97 and 60/059,046 on 16-9-97 in U.S.A.).
- 67/Cal/98 E.I. Du Pont De Nemours and Co., "Low pill polyester". (Convention No. 08/799,514 on 12-2-97 in U.S.A.).
- 68/Cal/98 Westinghouse Electric Corporation, "Combustion turbine with fuel heating system". (Convention No. 08/787,718 on 24-1-97 in U.S.A.).
- 69/Cal/98 Instituto Nacional De Investigacion Y Tecnologia Agraria Y Alimentaria (INIA), "Process and device for the constant emission of volatile liquids". (Convention No. 9700101 on 20-1-97 in Spain).
- 70/Cal/98 Mannesmann VDO AG, "Fuel tank for an engine-driven vehicle". (Convention No. 19700-972.7 on 14-1-97 in Germany).

15-1-1998

- 71/Cal/98 Philips Electronics N.V., "Embedding supplemental data in an encoded signal". (Convention No. 97200127.8 on 27-1-97 in Europe).
- 72/Cal/98 Indian Council of Agricultural Research, "Method of producing mushroom by utilising biogas waste slurry with straw for improved mushroom cultivation".
- 73/Cal/98 Macrosonix Corporation, "RMS energy conversion device". (Convention No. 08/783,701 on 15-1-97 in U.S.A.).
- 74/Cal/98 Giesecke & Devrient GmbH, "Security element for a security document and method of producing it". (Divided out of No. 106/Cal/94 antedated to 18-2-94).
- 75/Cal/98 Sunarrow Co. Ltd., "Illumination key and method of manufacture thereof". (Convention No. 9-48573 on 18-2-97 & 9-279321 on 29-9-97 in Japan).
- 76/Cal/98 Clariant GmbH, "Granular secondary alkanesulfonate". (Convention No. 19701896.3 on 21-1-97 in Germany).

- 77/Cal/98 E.I. Du Pont De Nemours and Co., "High intensity ultrasonic milling in the preparation of ink jet inks". (Convention No. 08/826,413 on 27-3-97 in U.S.A.).

- 78/Cal/98 ELI Lilly and Co., "Process for preparing a naphthyl compound". (Convention No. 08/395,950 on 28-2-95 in U.S.A.). (Divided out of No. 321/Cal/96; dated 22-02-96).

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम एंसी अवधि में उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र की उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित दस्तावेज उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर-राष्ट्रीय वर्गीकरण के अनुरूप है।"

रूपानक (चित्र आरेखों) की फोटो प्रतियाँ, यदि कोई हों, के साथ विनिर्देशों की अंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिस उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अंदायनी पर की जा

सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्थीक विनिर्देश के सामने नीचे वर्णित बिन्दु आरंभ कागजों को जोड़कर उसे 2 से गुणा करके, (प्रत्येक प्रत्येक पृष्ठ का लिप्यान्तरण प्रसार 2/- रु. है) पट्टे लिप्यान्तरण प्रसार का परिकल्पन किया जा सकता है।

substantially sealed chamber therebetween, said second piston moveable with said mandrel in response to movement of said mandrel in the second longitudinal direction relative to said housing and to resist longitudinal movement in response to movement of said mandrel in the first longitudinal direction relative to said housing, whereby said chamber has an increase in pressure in response to movement of said mandrel in both said first and second longitudinal directions relative to said housing.

Ind. Cl. : 85 B and R.

180681

Int. Cl. : C 21 b 7/10.

A METHOD OF REFURBISHING A SHAFT FURNACE.

Inventors : JACOBUS VAN LAAR and JOHN EGENOLFF VAN STEIN CALLENFELS.

Applicant : HOOGOVEN SSTAAL B. V., P. O. BOX 10.000, 1970 CA HILMUIDEN, THE NETHERLANDS, A DUTCH COMPANY.

Application No. 365/Mas/92, Filed on 16th June, 1992.

Appropriate Office for Opposition Proceedings, (Rule 4, Patents Rules, 1972), Patent Office Branch, Chennai.

13 Claims

A Method of refurbishing a shaft furnace having a defective refractory lining portion having water-cooled panels located at the inside of a steel furnace jacket and at least one inside layer of refractory lining material, said method comprising the steps of :

Removing a portion of the steel furnace jacket corresponding to the location of said defective lining portion;
Removing at least one of said water-cooled panels from the location of the defective lining portion;

insertion in place of said panel or panels further refractory lining layer having a high thermal conductivity;

closing the steel furnace jacket, and

providing the steel furnace jacket at said region with an external water cooling system.

(Com. 16 Pages;

Drawings 03 Sheets.)

Ind. Cl. : 131 B 3

180682

Int. Cl. : E 21 B 7/00.

DOUBLE-ACTING ACCELERATOR.

Applicant : DAILEY PETROLEUM SERVICES CORPORATION, A CORPORATION ORGANISED AND EXISTING ACCORDING TO THE LAWS OF THE STATE OF TEXAS, OF 2507 N FRAZIER ROAD, CONROE, TEXAS-77303, U. S. A.

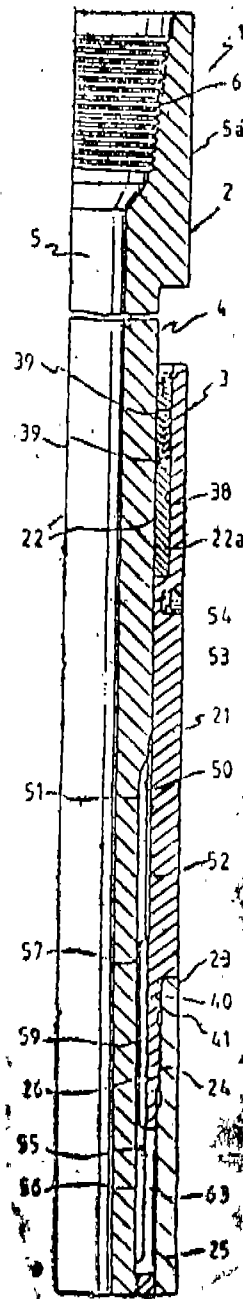
Inventor : I. ROBERT W. EVANS.

Application No. 372/Mas/1992 Filed on 18th June, 1992.

Appropriate Office for Opposition Proceedings, (Rule 4, Patents Rules, 1972), Patent Office Branch, Chennai.

7 Claims

A double acting accelerator comprising a tubular housing; a tubular mandrel substantially coaxially arranged for telescoping longitudinal movement within said tubular housing; a first piston positioned radially between said tubular housing and mandrel, said first piston movable with said mandrel in response to movement of said mandrel in a first longitudinal direction relative to said housing and to resist longitudinal movement in response to movement of said mandrel in a second longitudinal direction relative to said housing; and a second piston positioned radially between said tubular housing and mandrel, said first and second pistons forming a



(Comp. Specn. 24 Pages;

Drwgs 03 sheets)

Ind. Class - 97 A

180683

Int. Cl. - H 05 B 7/11.

DIRECT-CURRENT ARC FURNACE.

Applicant : ASEA BROWN BOVERI LTD., OF CH-5401 BADEN, SWITZERLAND, A SWISS COMPANY.

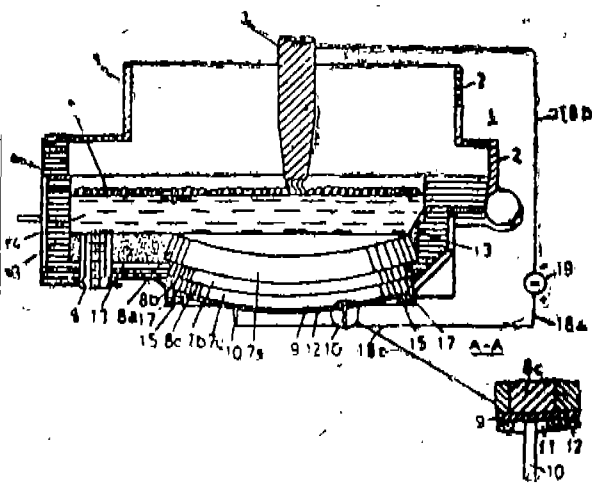
Inventor : SVEN-EINAR STENKVIST.

Application No. 375/Mas/92 dated June 19, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

A direct-current arc furnace comprising a furnace vessel (1) surrounded by a metal shell (2), at least one electrode (3) connected as cathode and at least one bottom contact (9) connected as anode and provided with at least one connection fitting (10), the electrode and the bottom contact being connected via high-current lines, (18b, 18a, 18c) to a current supply means (19) disposed alongside the furnace vessel, wherein the high-current lines (18a) leading from the current supply means (19) to the bottom contact (9) are laid for the major part in a plane above the furnace bottom, on or below the furnace platform (20), and are taken downwards to the connection fittings (10) on the furnace bottom only on the side of the furnace vessel (1) opposite the current supply means (19).



(Com. - 13 Pages:

Drwgs. 4 sheets)

Ind. Cl. : 97-A.

180684

Int. Cl. : H 05 b 7/00.

DIRECT-CURRENT ARC FURNACE.

Applicant : ASEA BROWN BOVERI LTD., A SWISS COMPANY, OF CH-5401 BADEN, SWITZERLAND.

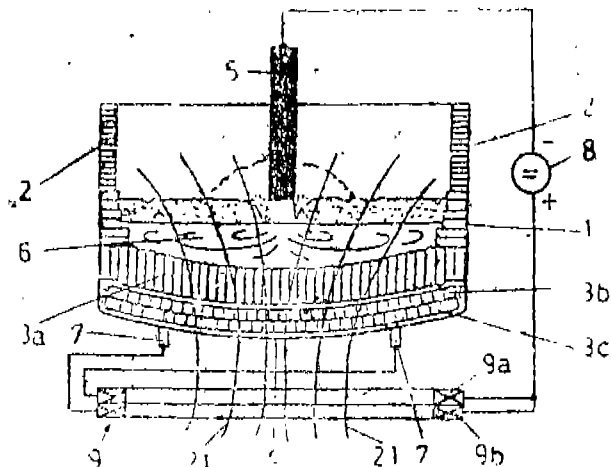
Inventors : SVEN-EINAR STENKVIST.

Application No. 376/Mas/92, Filed on 19th June, 1992.

Appropriate Office for Opposition Proceedings, (Rule 4, Patents Rules, 1972), Patent Office Branch, Chennai.

4 Claims

A direct-current arc furnace having at least one electrode (5) connected as cathode and at least one bottom electrode (3) connected as anode, wherein underneath the furnace bottom (4) a coil (9a, 9b) is provided through which flows a direct current, preferably the furnace current, and which has a coil area approximately corresponding to the area of the bottom electrode, the amper-turns number being such that the downwardly directed bath agitation in the melt (6), produced solely by the current flow in the melt (6) underneath the electrode (5), is at least partly reversed to the opposite direction by the magnetic field of said coil (9a, 9b).



Comp. : 10 Pages,

Drawings 02 Sheets.

Ind. Cl. - J16 G; 166 A

180685

Int. Cl. - B 64 C 25/00.
B 64 F 1/00.

A TRAVERSING SYSTEM FOR ONE OR MORE AIRCRAFTS.

Applicant : L & T McNEIL LIMITED, OF MOUNT-POONAMALLEE ROAD, P B No. 977, MADRAS-600 089, AN INDIAN COMPANY.

Inventors :

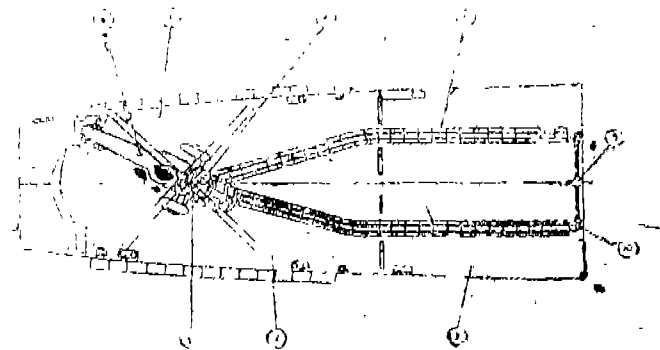
- (1) SUNDARAM KRISHNA KUMAR,
- (2) PONUKOILU RAMA RAO;

Application No. 377/Mas/92 Filed on 19th Jun 1992.

Appropriate Office for Opposition Proceedings, (Rule 4, Patents Rules, 1972), Patent Office Branch, Chennai.

10 Claims

Atraversing system for one or more aircrafts such as a helicopter having one swivelling tail wheel for traversing between a landing and take-off zone on a flight deck of a ship and a contiguous garage zone on the deck of the said ship, at least one guide rail installed on a platform connecting the said landing and take off zone to the said garage zone, one or more guide carriages movable along the said rail, a prime mover for traversing the said guide carriage from the said landing and take off zone to the said garage zone, a hooking means located on top for clamping the helicopter on the said deck, an endless rope for pulling the said guide carriage with the helicopter from the said landing and take off zone to the said garage zone, a cross bar for securing the helicopter's under carriage strut through traction means having tensioning means for providing traction to the said endless rope, a connecting arm for connecting the said cross bar with the said guide carriage through pivoting means, control means for controlling the traversing movement of the helicopter and hydraulic control means for controlling the hooking means while clamping down the helicopter on the deck.



(Comp. 42 Pag.3;

Drwgs. - 15 sheets)

Ind. Cl. - 188

180686

Int. Cl.⁴ - C 23C 2/00, 4/00.

A CONTINUOUS PROCESS FOR GALVANIZING LINEAR ELEMENTS AND AN APPARATUS FOR THE SAME.

Applicant : ALLIED TUBE & CONDUIT CORPORATION, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, USA, OF 16100 SOUTH LATHROP AVENUE, HARVEY, ILLINOIS-60426, USA.

Inventors :

(1) CARL HARRY UNGER,

(2) KANYAN KUMAR MAITRA.

Application No. 378/Mas/92 dated 22nd June 1992.

Appropriate Office for Opposition Proceedings, (Rule 4, Patents Rules, 1972), Patent Office Branch, Chennai.

17 Claims

A continuous process for galvanizing linear element, having an outer surface by applying molten zinc to a cleansed and preheated linear element comprising the steps of :

rolling a band of metal into tubular form with abutting edges;

welding the abutting edges to form said element;

cleaning said element with acid;

rinsing said element;

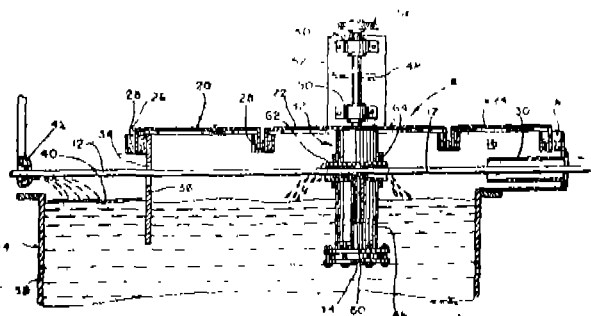
preheating said element in an inert atmosphere;

providing a source of molten zinc;

providing an inert gaseous environment over said source;

passing said element through an application zone in an inert atmosphere; and

pumping a stream of molten zinc from said source around said element so that each point on said element's outer surface makes contact with said stream for 0.167 second or less, whereby said element is coated with molten zinc and is galvanized.



(Com. - 18 pages;

Drawings 3 sheets)

Ind. Cl. - 107 G

180687

Int. Cl.⁴ - F01B 25/00.

AN APPARATUS FOR CONTROLLING AN ENGINE BY MONITORING ONE OR MORE OF THE ENGINE FLUIDS PRESSURES.

Applicant : GENERAL MOTORS CORPORATION, AN AMERICAN COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE, OF 3044, WEST GRAND BOULEVARD, DETROIT, MICHIGAN-48202, U. S. A.

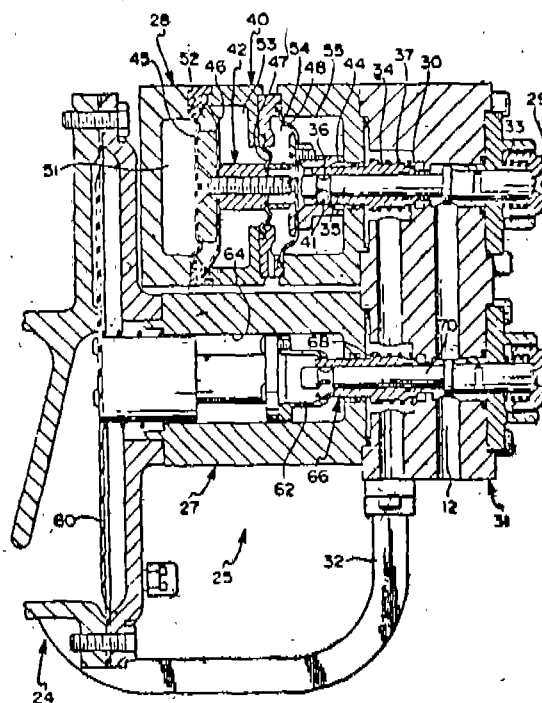
Inventors : ROLAND JOHN FRASE.

Appln. No. 380/Mas/92 dated 22nd June 1992.

Appropriate Office for Opposition Proceedings, (Rule 4, Patents Rules, 1972), Patent Office Branch, Chennai.

7 Claims

An apparatus for controlling an engine by monitoring one or more of the engine fluids pressures, said apparatus comprising a housing; a first valve actuator movably mounted in the housing; first biasing means for biasing the first valve actuator in a first direction; a first valve disposed in the housing to close by movement of the first valve actuator in the first direction and to open by movement of the first valve actuator in a second direction substantially opposite to the first direction; coupling means for coupling releasably the first valve actuator to the first valve; second biasing means for biasing the first valve in the second direction, the first biasing means having a greater bias than the bias of the second biasing means for closing the first valve when the first valve is coupled to the first valve actuator and releasing means for releasing the coupling means and opening the first valve at a predetermined pressure of engine fluid.



(Com. - 13 pages;

Drwgs. 2 sheets)

Ind. Cl. : 172D4

180688

Int. Cl.⁴ : D01H 13/00.

SPINDLE BRAKING DEVICE FOR SPINNING MACHINES.

Applicant : MASCHINENFABRIK RIETER AG, A SWISS COMPANY OF CH-8406 WINTERTHUR, SWITZERLAND.

Inventors :

(1) LATTION ANDRE,

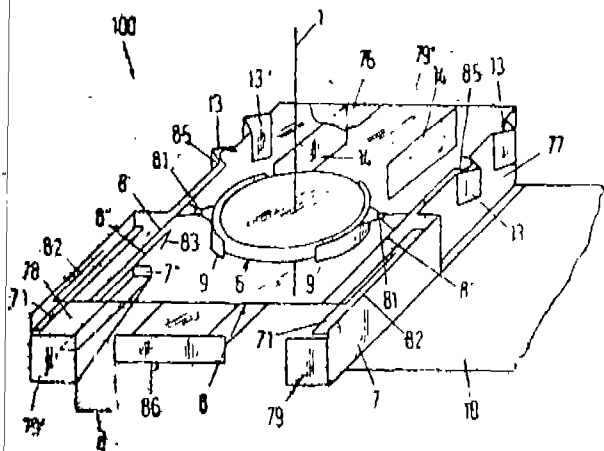
(2) OEHY PETER.

Application No. 381/Mas/92 dated 22nd June 1992.

Appropriate Office for Opposition Proceedings, (Rule 4, Patents Rules, 1972), Patent Office Branch, Chennai.

15 Claims

A Spindle braking device, for spinning machines, comprising a brake casing (7), a brake bow (8) moveable therein and brake shoes (9) attached thereto, and the brake casing being mounted on the spindle bearing plate (10) by means of fixing devices (7').



(Com. - 13 Pages;

Drawgs. 2 shs.)

Ind. Cl. : 136F

180689

Int. Cl.⁴ : B29C 33/00.

INJECTION MOULD FOR MAKING DISC SHAPED ARTICLES.

Applicant : GPT AXXICON BV OF KANAALDIJK Z W 7B, NL-5706 LD HELMOND, THE NETHERLANDS; A NETHERLANDS COMPANY

Inventors : JURG FREI

Application No. 384/Mas/92, dated 22nd June 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

13 Claims

Injection mould for manufacturing disc-shaped plastic articles with a central hold comprising;

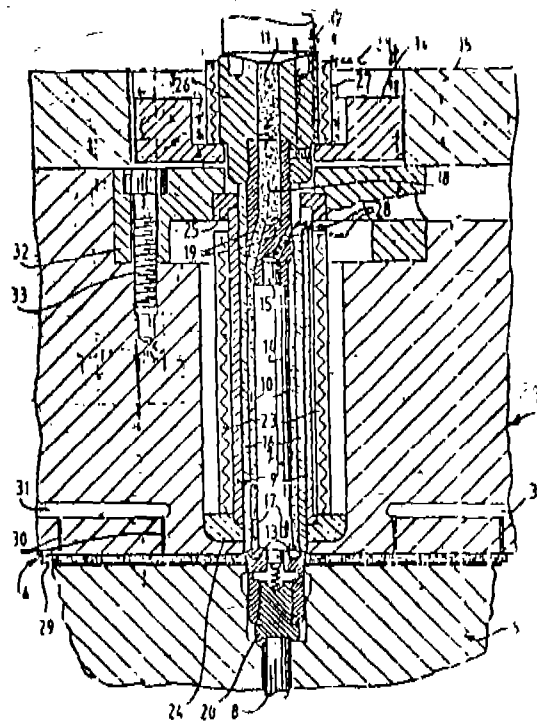
a first mould part;

a second mould part displaceable relative to the first mould part by means of first displacing means;

said two mould parts being displaceable between a closed first position partially bounding a mould cavity corresponding to the shape of an article for manufacture and an open second position for removing the formed article;

a third mould part which, in the closed position of the first and second mould parts, extends through the mould cavity defined thereby and has a shape corresponding to that of the central hole axially displaceable by means of displacing means having a guide sleeve forming part of the first mould part between a first position, partially forming a bounding of the mould cavity, and a second retracted position;

said third mould part bounds a channel connectable at the free outside end to an injection nozzle of an injection moulding device, and at the other side debouches with an injection inlet into the region of the mould cavity in the first position of the first and the second mould part and the first position of the third part, and in the second position of the third mould part debouches blind against the inner wall of the guide sleeve; and heating means for keeping plastic present in the channel in the plastic state.



(Comp. - 15 pages;

Drawgs. 4 shs.)

Ind. Cl. : 172 D 3

180690

Int. Cl.⁴ : D 01 H 7/04.

SPINNING OR TWISTING SPINDLE.

Applicant : MASCHINENFABRIK RIETER AG, A SWISS COMPANY, OF CH-8406 WINTERTHUR, SWITZERLAND.

Inventors :

1. MORGER JOSEF.
2. OEHY PETER.

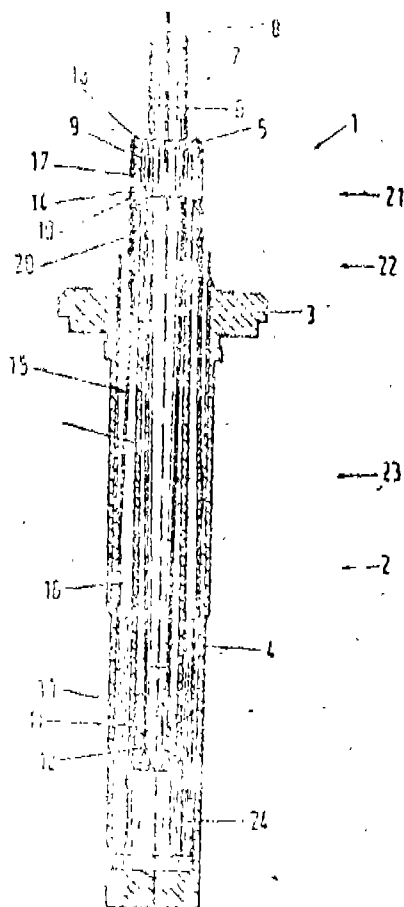
Application No. 387/Mas/92 dated June 24, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

13 Claims

Spinning or twisting spindle with a housing for the admission of a spindle shaft in a collar bearing and a foot bearing and with a configuration for vibration-absorbing support of the bearings within the housing characterised in that the configuration comprises an intermediate section (13) for the mutual rigid positioning of collar bearing (9) and foot bearing (10) and a support element (15) with a wave-shaped tube section (20) and for the support of the collar bearing

(9) a damping element (24) acting on the foot bearing in radial direction.



(Com. - 14 pages;

Drwgs. 2 sheets)

Ind. Cl. - 13 A

180691

Int. Cl.⁴ : B65D 30/00.

A COLLAPSIBLE BOX OR DRUM TYPE BAG.

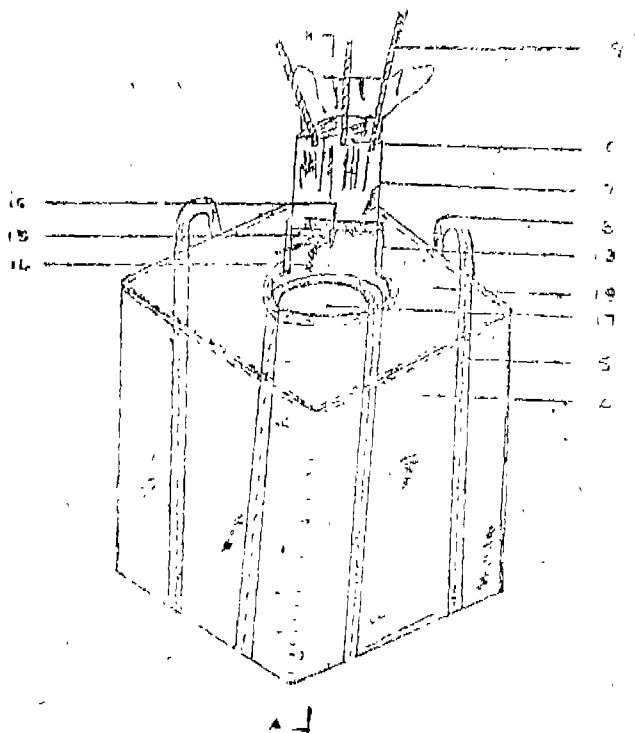
Applicants & Inventors : GORANTLA SUDHAKAR, DR. MULLANGI RAVINDRANATH, GORANTLA RADHA-KRISHNA AND DR. GORANTLA VENKATA CHALAPATHI ALL OF M/s. STANDARD PACKAGINGS OF 5 SIR THYAGARAYA ROAD, T NAGAR, MADRAS-600017; ALL INDIAN NATIONALS.

Application No. 388/Mas/92 dated 24th June 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

9 Claims

A collapsible box or drum type bag comprising a tubular blanks or at least one blank made from flexible material, the said flat blank having two flat panels disposed opposite each other; and two gusseted panels extending inwardly from the opposite sides thereof to form the side walls of the said bag, the open ends of the said bag being provided with chute assemblies having closure means for the top and bottom open ends.



(Com. - 12 pages;

Drwgs. 10 sheets)

Ind. Cl. : 190 B

180692

Int. Cl.⁴ : F01D 5/08

HEATING APPARATUS FOR HEAT TREATMENT OF TURBINE BLADES.

Applicant : TURBINE BLADING LIMITED OF GEORGE BAYLIS ROAD, DROITWICH, WORCESTERSHIRE WR9 9AB, ENGLAND (A BRITISH COMPANY).

Inventor : MICHAEL JAMES FRASER.

Convention date : 25th June 1991 (No. 9113755.4 United Kingdom).

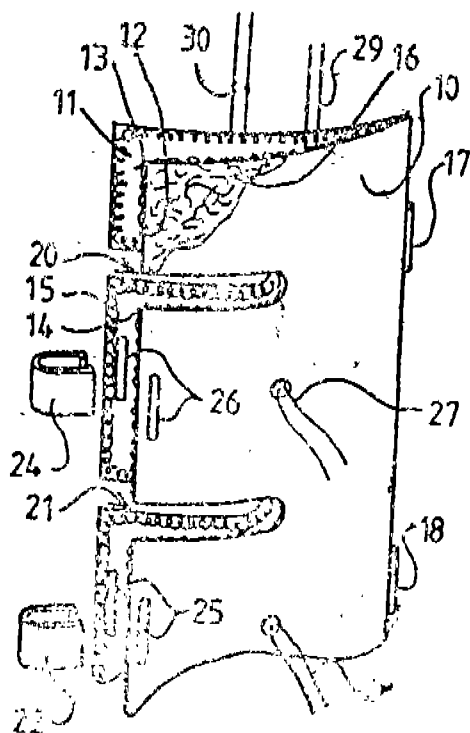
Application No. 390/Mas/92 dated 25th June 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

14 Claims

A heating apparatus for heat treatment of turbine blades of the type having snubbers, lacing wires or other protuberances, said heating apparatus comprising at least one support member, heating means secured thereto, said support member having

at least one slot or cut-out to accommodate said at least one protuberance and fixing means to enable fixing of the heating apparatus to the turbine blade.



(Com. - 15 pages;

Drwgs. 2 Sheets)

Ind. Cl. : 39 K

180694

Int. Cl.⁴ : C 01 B 33/12.

A METHOD OF PREPARING PRECIPITATED SILICA.

Applicant : RHONE-POULENC CHIMIE FRENCH BODY CORPORATE OF 25 QUAI PAUL DOUMER, 92408, COUR-BEVOIE CEDEX, FRANCE.

Inventor :

(1) CHEVALLIER, YVONICK.

(2) RABEYRIN, MICHEL.

Application No. 393/Mas/92 filed on 26th Jun 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

13 Claims

A method of preparing precipitated silica with improved capacity for dispersion and reinforcing properties comprising reacting of silicate with an acidifying agent, whereby a suspension of precipitated silica is obtained separating and drying the suspension, characterised in that precipitation is carried out as follows :

- (i) by forming an initial sediment comprising at least part of the total quantity of silicate involved in the reaction and an electrolyte, the concentration of silica in said initial sediment being less than 100 g/land the concentration of electrolyte in said initial sediment being less than 17 g/l.
- (ii) by adding the acidifying agent to said sediment until a pH value for the reaction medium of at least about 7 is obtained.
- (iii) by adding acidifying agent to the reaction medium and if required, the rest of the silicate simultaneously to obtain a suspension in which the maximum proportion of dry material is 24% by weight.

(Com. Specn. 54 Pages;

Drwg. 0 Sheet)

Ind. Cl: 32-B

180693

Int. Cl.⁴ : - C 07 C 15/00.

A PROCESS FOR PREPARING DETERGENT RANGE LINEAR ALKYL BENZENE.

Applicant : HUNTMAN SPECIALTY CHEMICALS CORPORATION, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF UTAH, UNITED STATES OF AMERICA, OF 2000 EAGLE GATE TOWER, SALT LAKE CITY, UTAH 94111-1098, UNITED STATES OF AMERICA.

Inventors :

(1) DAVID RAY DYROFF, U. S. A.

(2) PRAKASA RAQ ANANTANENI, U.S.A.

Application No. 392Mas/92 dated June 26, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

14 Claims

A process for preparing detergent range linear alkylbenzene comprising reacting linear monoolefins with benzene in the presence of a hydrofluoric acid catalyst to obtain a hydrocarbon mixture containing crude alkylbenzene, separating the catalyst from the hydrocarbon mixture and treating atleast a portion of said hydrocarbon mixture comprising alkyl benzene with basic alumina to remove organic fluoride impurities therefrom, the said alumina having a bromine number ratio of not greater than 1.25 in the alumina selectivity test, the said alumina treatment being carried out either prior to or after separating the said hydrocarbon mixture into fractions comprising crude alkylbenzene and unconverted benzene and/or normal paraffins, purifying the said basic alumina treated alkylbenzene to obtain detergent range linear alkylbenzene.

(Com. - 30 Pages)

Ind. Class : 105 C

180695

Int. Cl.⁴ : H02P 9/00.

PLANT MONITOR.

Applicant : HITACHI LTD. OF 6 KANDASURUGADAI 4-CHOME, CHIVODA-KU, TOKYO, JAPAN AND THE TOKYO ELECTRIC POWER CO. INC. OF 1-3, UCHISAI-WAICHO 1-CHOME, CHIVODA-KU, TOKYO, JAPAN, JAPANESE CORPORATIONS.

Inventors :

1. AKIRA KAJI.

2. TAKAKAZU MARUYAMA,

3. KIYOSHI HANAFUCHI,

4. IKUO OKOSHI,

5. TOMI OOHNUMA.

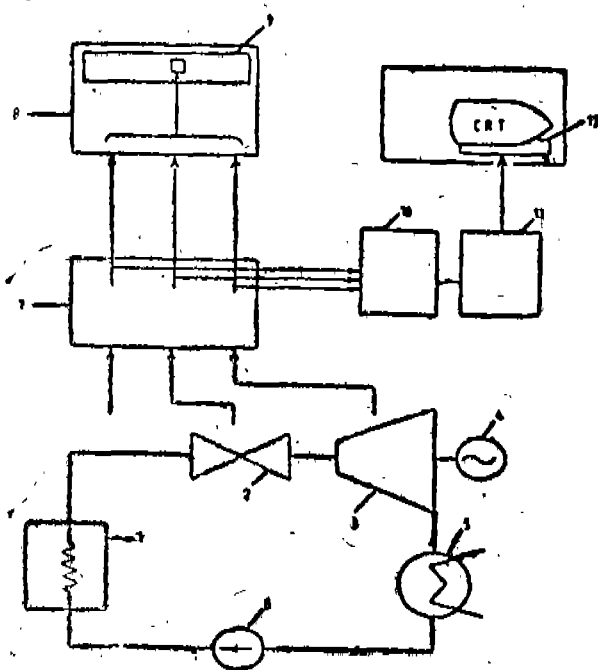
Application No. 397/Mas/92 dated 29th June 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

A plant monitor comprising a monitoring panel having a plurality of alarm windows for displaying alarm status and a control panel having a monitoring computer, a displaying device, and a keyboard wherein the said monitoring panel having displays for displaying the alarm status on the alarm window corresponding to the alarm signals generated from each plant section and the control panel being connected for inputting the alarm signals generated from each plant section to the monitoring computer for displaying the alarm status corresponding to the alarm signals on the screen of the display device, characterised in that the monitoring computer has a block-displaying zone for displaying blocks

constituted by a plurality of unit display zones corresponding to the positions of the plurality of alarm windows of the monitoring panel and an enlarged displaying zone with enlarging means and displaying means for enlarging and displaying at least one of the blocks displayed in the block-displaying zone, and the monitoring computer having displaying means for displaying in the enlarged displaying zone at least the name and the alarm status of a plant device in connection with items for alarm on the unit display zones.



(Com. - 2 Pages;

Drwgs. 10 Shts.)

Ind. Cl. : 172 F

180696

Int. Cl.⁴ D 02 J 1/22.**AN APPARATUS FOR STRETCHING THREAD.**

Applicant : MASCHINENFABRIK RIETER AG., CH-8406 WINTERTHUR, SWITZERLAND, A SWISS COMPANY.

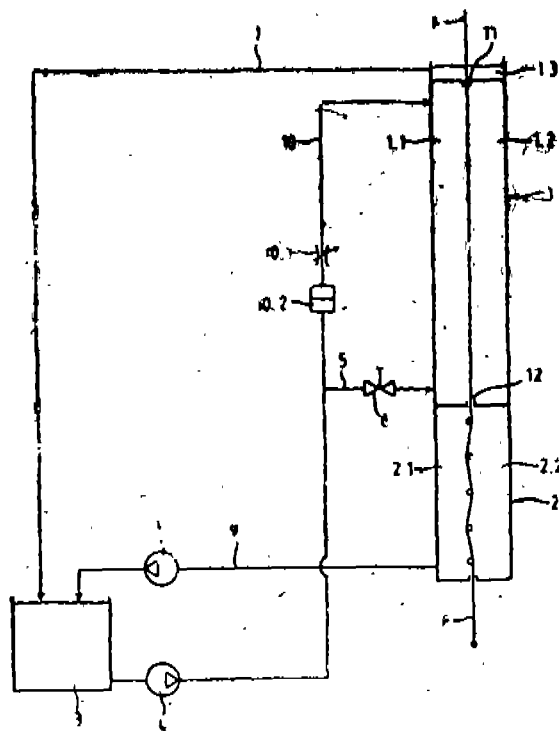
Inventor : GRAF FELIX.

Application No. 339/Mas/92 dated June 30, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

9 Claims

An apparatus for stretching thread (F) comprising a stretching chamber (1) for the stretching of thread (F) guided through the chamber (1); with a liquid supply means (5, 10), a liquid discharge means (8, 9) and a liquid circulation means through which the chamber liquid is circulated, characterized by a preliminary moistening means (10, 24) which is independent of the level of the liquid in the stretching chamber (1) being provided for moistening the threads (F) prior to their entry into a hollow space (21) of the stretching chamber (1) prior to the filling of the chamber with chamber liquid.



(Com. - 13 Pages;

Drwgs. 2 Sheets)

Ind. Cl. : 116 D, G : 160 A

180697

Int. Cl.⁴ : B 60 P1/04**A DUMPER BODY WITH AN AUTO TAILGATE.**

Applicant : HINDUSTAN MOTORS LIMITED, EARTH-MOVING EQUIPMENT DIVISION, TIRUVALLUR-602 04, TAMIL NADU, INDIA. AN INDIAN COMPANY.

Inventor : 1. NARAYANASWAMY RAGHUPATHY.

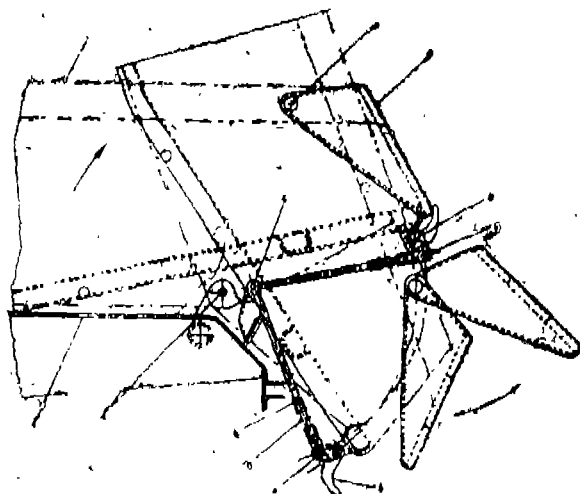
Application No. 398/Mas/1992 Filed on 29th June, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

A dumper body with an auto tailgate for dumpers comprising a dumper body (1), a tailgate (7) with off-set pivots (A) on either side of the dumper body (1) capable of swinging about the said pivots (A), at least one locking mechanism disposed for keeping the tailgate (7) in closed position, the said locking mechanism consisting of a rod assembly (3) with one end hinged at a point (C) on the frame (2) of the dumper and the other end hinged at a point (E) to one end of a lever (4), the other end of the said lever (4) being pivoted at a point (D) on a pivot block (8) on the dumper body (1), a cross shaft (5) connecting the said

lever (4) to one or more fingers (6) holding the said tail-gate (7) in position when the dumper body (1) is in the horizontal position.



(Comp. Specn. 8 pages

Drwgs. 3 sheets)

Ind. Cl. : 172 D 4

180698

Int. Cl.⁴ : D 01 H 1/00.

AN OPEN-END SPINNING MACHINE.

Applicant : SCHUBERT & SALZER MASCHINENFABRIK AG, POSTFACH 260, 8070 INGOLSTADT, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

Inventors :

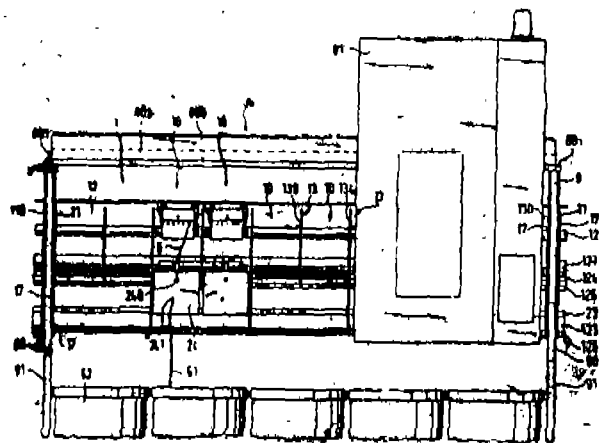
- (1) EDMUND SCHULLER,
- (2) RUPERT KARL,
- (3) ANTON STANGLMAIR,
- (4) GOTTFRIED SCHNEIDER,
- (5) HANS LANDWEHRKAMP,
- (6) GERHARD HYNÄ,
- (7) CLAÜS FRANZ,
8. THORSTEN BUCHNER.

Application No. 400/Mas/92 dated June 30th 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

28 Claims

An open-end spinning machine comprising a machine frame with at least one section along one side thereof, each section (1) having a rigid structural unit (16) comprising a plurality of longitudinal structural members (12, 120, 121, 123 to 127), two end walls (11, 110; 111, 112) and partition walls (13, 133, 134) located between the end walls, said end walls and partition walls being rigidly connected to the longitudinal structural members (12, 120, 121, 123 to 127) in the same manner, each section also having a plurality of adjacent spinning points located between the end walls, each spinning point having a group of spinning elements located along each long machine side, at least part of a drive unit for driving said spinning elements and a winding device, wherein the partition walls are each located between two adjacent pairs of spinning points, the groups of spinning elements (2, 3, 4,) together with the parts of the drive units (4, 40) and the winding devices (15, 150 to 152), are fastened to the longitudinal structural members (12, 120, 121, 123 to 127) and/or the partition walls (13, 133, 134), and the end walls (11, 110; 111, 112) of adjacent structural units (16) are connected directly to one another.



(Com. - 34 pages;

Drawgs. 6 sheets)

Ind. Cl. : 83 A 1

180699

Int. Cl.⁴ : A 23 G 1/00.

PROCESS FOR THE MANUFACTURE OF REDUCED FAT AND REDUCED CALORIE CHOCOLATE.

Applicant : CADBURY SCHWEPPE'S PLC., 25 BERKELEY SQUARE LONDON W1X 6HT ENGLAND, A BRITISH COMPANY.

Inventor : ALBERT ZUMBE.

Application No. : 1010/Mas/94 filed on 19th. Oc, 1994.

(Convention date : 20th Oct., 1993; No. 9321606.7; GBSN).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

13 Claims

A process for the manufacture of reduced fat and reduced calorie chocolate, the said process comprising the steps of developing chocolate flavour in a chocolate composition having a fat content, which is higher than that required in the reduced fat chocolate to be manufactured, by a known manner such as conching, mixing or kneading and thereafter removing the fat from the chocolate composition by a known manner such as pressing, solvent extraction or centrifugation to obtain the reduced fat and reduced calorie chocolate and optionally subjecting the resulting chocolate to known further processing.

(Com. 24 pages;

Drwgs. Nil Sheet)

Ind. Cl. : 32 F 2(b)

180700

Int. Cl.⁴ : C-07 D 213/00

A PROCESS FOR PREPARING SUBSTITUTED OR UNSUBSTITUTED PYRIDINE-2, 6-DIAMINES.

Applicant : AKZO NOBEL N. V., OF VELPERWEG 76, 6824 BM ARNHEM, THE NETHERLANDS.

Inventors : 1. ADRIANUS MARIA REICHWEIN 2. DOETZE JAKOB SIKKEMA.

Application No. : 743/Mas/1996 filed on 6th May, 1996.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Chennai Branch.

10 Claims

A process for preparing substituted or unsubstituted pyridine-2, 6-diamines having at least one primary amino group comprising reacting 3-hydroxy pentane 1, 5-dinitrile with an ammonium donor selected from ammonia, primary amine

and secondary amine with the proviso that the reaction is carried out in the absence of hydrogen halide when the ammonium donor is a primary or secondary amine.

(Comp. Specn. : 14 Pages;

Drwgs. : Nil)

Cl. : 155 D A, 143 D 3, 13 C

180701

Int. Cl.⁴ : B 32 B 7/00, 7/02, 3/00, 3/10, 3/14

LAMINATE USEFUL AS PACKAGING MATERIAL AND TO A PROCESS TO THE MANUFACTURE THEREOF.

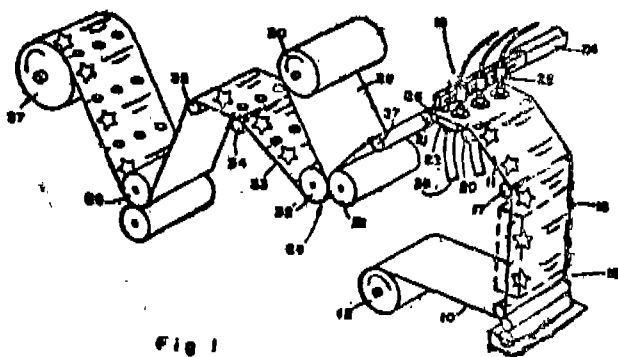
Applicant & Inventor : AVNER GELLER, OF MISHMERETH STR., AFEKA, TEL-AVIV 69694, ISRAEL.

Application No. : 259/Cal/1993 filed on 10th May, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta.

6 Claims

A laminate, useful as a packaging material being essentially non-transparent and having one or more transparent windows, said laminate being characterized in that it comprises one layer made of an essentially non-transparent material and being perforated by holes having a shape corresponding to that of said windows and one or more layers made of an essentially transparent material said non-transparent and transparent material being attached to each other, preferably by means of an adhesive, said windows form integral ornamental elements, in a pattern printed on said laminate.



(Comp. Specn. : 12 Pages;

Drwgs. : 5 Sheets)

Cl. : 32 E

180702

Int. Cl. : C 08 J 09/26

AN IMPROVED PROCESS FOR PREPARING POROUS POLY-TETRAFLUOROETHYLENE.

Applicant : E. I. DU PONT DE NEMOURS AND COMPANY, OF WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.

Inventors : 1. EDWARD GEORGE HOWARD, JR., 2. ARTHUR ZENKER MOSS.

Application No. : 352/Cal/1993 filed on 23rd June, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta.

17 Claims

An improved process for preparing porous polytetrafluoroethylene (PTFE) comprising of the following steps :

- (a) contacting PTFE, in an inert atmosphere, with a fluid such as herein described which penetrates but does not significantly dissolve the polymer or eliminate viscoelastic memory therefrom, at a temperature in the range of about 250—400°C; and

- (b) cooling and separating the penetrated polymer/ fluid composition from unabsorbed fluid, said composition containing up to about 50% by weight of absorbed fluid, optionally subjecting the product of step b to low extension by low rate uniaxial or biaxial stretching and if desired removing the absorbed fluid to form a porous product having a single DSC melting endotherm, said endotherm being in the range of about 320 to 333 deg. centigrade with an associated heat of fusion of at least 35J/g.

(Comp. Specn. : 43 Pages;

Drwgs. : 3 Sheets)

Cl. : 69 B

180703

Int. Cl.⁴ : H 02 H 3/353

INSTANTANEOUS PERCENTAGE CURRENT DIFFERENTIAL RELAY.

Applicant & Inventor : DEBMALYA GHOSH, 65, (OLD 48/2) RAM MOHAN SARANI, P.O. BAIDYABATI, DIST. HOOGHLY, WEST BENGAL, INDIA.

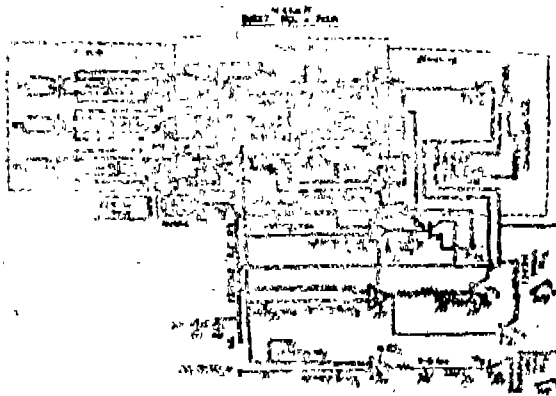
Application No. : 549/Cal/1993 filed on 20th September, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta.

3 Claims

An instantaneous percentage current differential relay assembly added with time functioned overload, low-load switching, and instantaneous overload switching substantially as here in before described with reference to and as illustrated in the accompanying drawings, comprising :—

- (a) atleast two current transformers (CT₁, CT₂) connected with equal number of potential transformers (PT₁, PT₂) as illustrated and here-in-before described with reference to the accompanying figures.
- (b) a plurality of rectifiers (R₁, R₂) connected to the output voltage of the said potential transformers.
- (c) a set of diodes (d₁, d₂) connected to said rectifiers.
- (d) a plurality of op-amp comparators connected to split output of said rectifiers.
- (e) a plurality of switching NPN Transistors connected to the output of the said comparators.
- (f) a plurality of electromagnetic pairs (instantaneous type) connected to the NPN transistors.



(Comp. Specn. : 20 Pages;

Drwgs. : 4 Sheets)

Cl. : 35 E, 85 J

180704

Int. Cl. : F 27 B 7/00, 9/00, F 27 D 1/00

A METHOD FOR PROTECTING REFRACTORY LINING OF A METALLURGICAL REACTION VESSEL, IN THE COURSE OF PRODUCING METALS/ALLOYS THEREIN.

Applicant : TECHNOLOGICAL RESOURCES PTY, LIMITED, OF LEVEL 39, 55 COLLINS STREET, MELBOURNE 3001 AUSTRALIA.

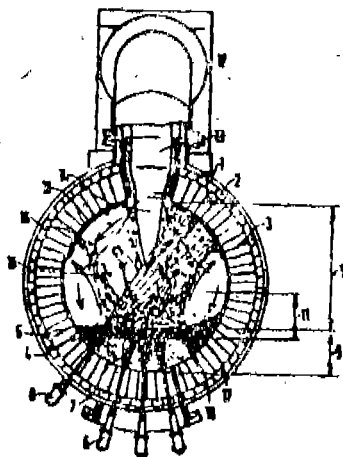
Inventors : GREGORY JOHN HARDIE, PAUL-GERHARD MANTER, MARK PHILIP SCHWARZ.

Application No. : 551/Cal/1993 filed on 21st September, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta.

10 Claims

A method for protecting refractory lining of a metallurgical reaction vessel with a view to improve the refractory durability in the gas space of the said reaction vessel in the course of producing metals/alloys in the said metallurgical reaction vessel, the said reaction vessel, containing smelt consisting of metal and slag, and wherein reacting agents known per se for the smelt are fed to the metal bath through introducing means disposed below and above the bath surface, known gaseous reaction agents and/or known inert gases are fed to the smelt below the bath surface, and gases escaping from the smelt are afterburned with known oxidizing agents in the gas space, i.e. in the space above the still smelt, characterized in that partial amounts of said smelt are caused by the gas supply from below the bath surface to erupt in the form of drops, splashes, fountains and/or waves to wet the entire surface of said refractory lining in the gas space above the bath surface, and the smelt in the reaction vessel is caused to be maintained at a temperature lower than the gas space temperature, due to said afterburning of the reaction gases escaping from the smelt in the gas space above the smelt.



(Compl. Specn. : 19 Pages;

Drgn. : 1 Sheet)

Cl. : 128 G

180705

Int. Cl. : A 61 B 19/04

A PROCESS FOR MAKING A MEDICAL GLOVE.

Applicant : JOHNSON & JOHNSON MEDICAL, INC., OF 2500 ARBROOK BLVD. ARLINGTON, TX 76014, UNITED STATES OF AMERICA.

Inventor : MAO-CHING CHEN.

Application No. : 578/Cal/1993 filed on 30th September, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

11 Claims

A process for making a medical glove comprising the steps of :

- dip-coating a glove to form a layer of coagulant such as herein described that comprises an ionic metal salt,
- dip-coating over at least a part of the coagulant layer a layer of a first elastomer such as herein described,
- immersing a first portion (finger and thumb portion) of the coated form into a solvent for the metallic ions of the metal salt to remove substantially all the metallic ions in the layers,
- dip coating a layer of a second elastomer such as herein described over the first elastomeric layer, whereby the resultant elastomer coating is thinner on the first portion of the form than on the remainder of the coated form, and
- removing the coating from the form.

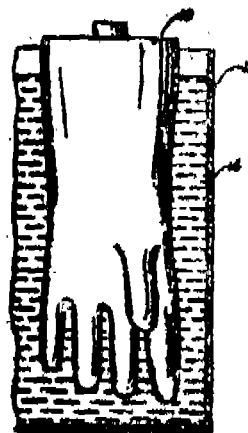


Fig. 1



Fig. 2

(Compl. Specn. : 14 Pages;

Drgns. : 1 Sheet)

Cl. : 133 A L

180706

Int. Cl. : H 02 P 7/29

A DEVICE FOR SPEED CONTROL OF A SYNCHRONOUS INDUCTION MOTOR.

Applicant : THE TATA IRON & STEEL COMPANY, LTD. OF BOMBAY HOUSE 24 HOMI MODY STREET, BOMBAY-400001, INDIA.

Inventors : 1. D. K. BHATTACHARYYA, 2. AMIT KUMAR RAY.

Application No. : 645/Cal/1993 filed on 27th October, 1993.

(Complete specification left after provisional on 27-01-1995).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

6 Claims

A device for speed control of a synchronous induction motor comprising atleast;

a rectifier bridge;

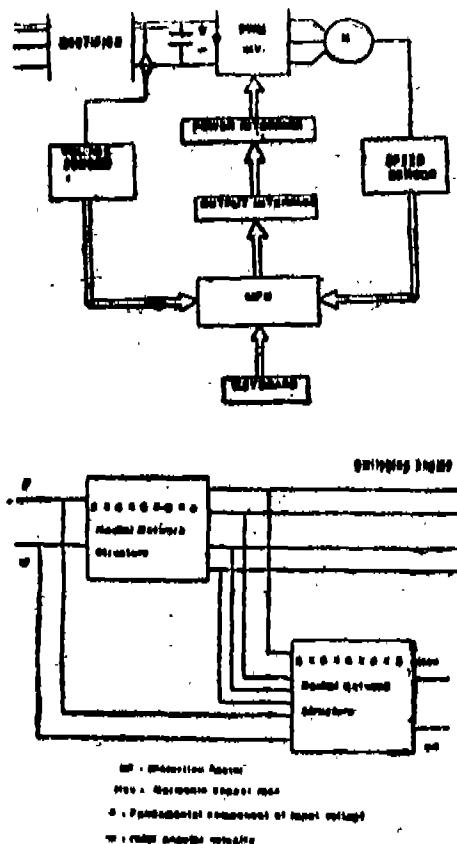
a filter capacitor connecting said rectifier bridge to a PWM inverter;

a said PWM inverter connected to the asynchronous induction motor to control the speed;

a speed sensor to measure the actual speed of said asynchronous motor;

a voltage sensor for measuring the input voltage of said PWM inverter;

a microprocessor unit connected to said voltage sensor and said speed sensor connected to the neutral network software modules (PWMB1 and PWMB2) and having means for generation of the desired switching angles for controlling the speed of said asynchronous motor based on dynamic analysis values of said induction motor.



(Compl. Specn. : 12 Pages;

Drgns. : 7 Sheets)

CL : 200 D

180707

Int. Cl. : F 04 F 7/02

A LOW-HEAD, WATER-POWERED RECIPROCATING ENGINE.

Applicant & Inventor : RALPH GLOCKEMANN, OF "MON FARLEIGH", C/- CANDELO POST OFFICE, CANDELO NEW SOUTH WALES 2550 AUSTRALIA.

Application No. : 647/Cal/1993 filed on 27th October, 1993.

(Convention No. : PL 5509 on 27-10-1992 in Australia).

Appropriate Office for Oppositions Proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

17 Claims

A low-head, water-powered reciprocating engine comprising;

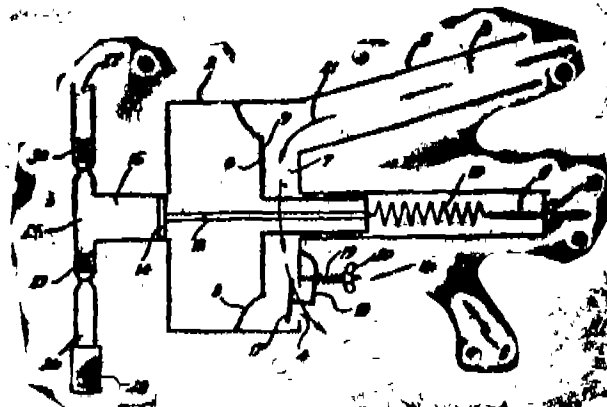
a hollow housing (2) having an inlet (3) and an outlet (4) between which a liquid passes;

said housing having there in a chamber constituting a primary chamber (7) into which the liquid enters as it passes from said inlet to said outlet;

a movable wall (6) continuously sealed with and forming at least a part of a wall of said primary chamber (7) and being movable from a first position to a second position, the volume of the primary chamber being larger in the second position of the movable wall (6) than the volume of the primary chamber in said first position of the movable wall;

valve means (16) across said outlet (4), said valve means being biased by biasing means (19) to move the valve means from a closed position to an open position to accelerate liquid flow through said primary chamber from said inlet to said outlet and said valve means being movable to the closed position in the event of the force of the liquid flow through the primary chamber exceeding the biasing means, thereby causing said movable wall to move from the first position to the second position; and

a tension spring (10) connected to the said wall (6) for facilitating return of said wall (6) from said second position to the first position.



(Compl. Specn. : 22 Pages;

Drgns. : 7 Sheets)

Ind. Cl. : 40 F

180708

Int. Cl. : B01 J 8/24, 19/18

F 22 B 1/02.

A CIRCULATING FLUIDIZED BED REACTOR AND METHOD OF PRODUCING STEAM USING THE SAME.

Applicant : THE BABCOCK & WILCOX COMPANY, OF 1450 POYDRAS STREET P. O. BOX 60035, NEW ORLEANS LA 70160. UNITED STATES OF AMERICA.

Inventors :

1. FELIX BELIN
2. KIPLIN CHARLES ALEXANDER
3. DAVID ERIC JAMES.

Application No. 143/Cal/1994 filed on 9th March, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

24 Claims

A circulating fluidized bed reactor, comprising :

a reactor enclosure for containing and conveying a circulating fluidized bed of material, said enclosure having a lower portion and an upper portion;

primary particle separator for collecting particles entrained within a gas flowing through and from said reactor enclosure;

means for returning the particles collected by said primary particle separator back to the lower portion of said reactor enclosure;

secondary particle separator for further collecting particles entrained and still remaining within the gas flowing from said reactor enclosure after the gas has passed through said primary particle separator;

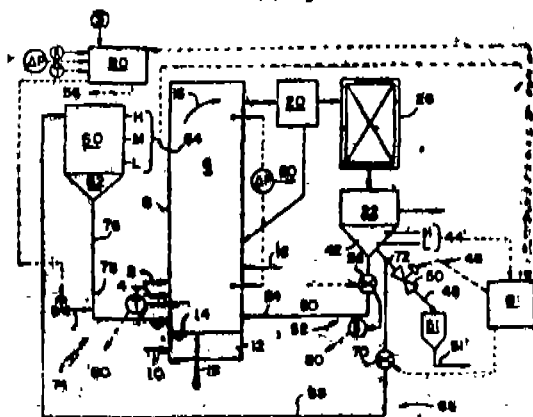
particle storage means, having a storage capacity determined by a range of variation of a circulating solids inventory in said reactor enclosure required for bed temperature control, considering expected variability of fuel and sorbent properties and load changes of said reactor, for storing particles collected by said secondary particle separator;

a recirculating system for controllably recirculating the particles collected by said secondary particle separator and stored in said particle storage means back into the lower portion of said reactor enclosure;

a bed temperature control system for controlling recirculation rate of solids from said particle storage means into said reactor enclosure to change an inventory of circulating solids in the circulating fluidized bed reactor as required to control a temperature of the circulating fluidized bed in said reactor enclosure; and

a solids storage level control system, interacting with said bed temperature control system, for controlling the inventory of solids in said particle storage means as required for bed temperature control.

FIG. 5



(Compl. Specn. 33 pages;

Drgns. 7 sheets.)

Ind. Cl. : 32 E

180709

Int. Cl. : C 08 L 77/12

D 21 F 3/00, 5/00.

A BLEND SUITABLE FOR FORMING MONOFILAMENT.

Applicant : HOECHST CELANESE CORPORATION,
OF ROUTE 202-206 NORTH, SOMERVILLE, NEW JERSEY,
UNITED STATES OF AMERICA.

Inventors :

1. HERBERT DEWEY STROUND, JR.
2. PAUL RUCBAN CADMUS.

Application No. 182/Cal/1994 filed on 21st March, 94.

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules 1972), Patent Office, Calcutta.

13 Claims

A blend suitable for forming monofilament comprising 70—95% by weight of polyester having a polyhydric alcohol component of 1, 4-cyclohexanedimethanol, polyfunctional acid and 5—20% by weight of a polyamide and optionally containing a polyolefin, known additives present singularly or in any combination.

(Compl. Specn. 27 pages;

Drgns. Nil.)

Ind. Cl. : 32 E

180710

Int. Cl. : F 16 L 58/02

C 08 L 23/12.

A PROCESS FOR COATING METAL PIPES WITH POLYOLEFIN MATERIALS.

Applicant : MONTELL NORTH AMERICA INC., OF
2801 CENTERVILLE ROAD, NEW CASTLE COUNTY,
DELAWARE, U.S.A.

Inventors :

1. ROBERTO MARZOLA.
2. GIAN LUIGI RIGOSI.

Application No. 186/Cal/1994 filed on 22nd March, 1994.

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules 1972), Patent Office, Calcutta.

5 Claims

A process for producing polyolefin coated metal pipes comprising the steps :

- (i) selecting a polyolefin composition, such as herein described;
- (ii) crosslinking said polyolefin composition by;
 - (a) grafting the backbone thereof with 1-3% by weight, with respect to the weight of the polyolefin composition, of an alkenyl-substituted alkoxy silane, such as herein described, through the alkenyl moiety by extrusion at a temperature of 180 to 230°C in the presence of a peroxide, such as herein described, of weight ranging from 0.05 to 0.2% with respect to the weight of the polyolefin composition, preferably subjecting the grafted polymer composition to an additional extrusion step in presence of a known crosslinking catalyst, such as herein described, under conditions similar to those followed for grafting the polyolefin composition with the silane; and
 - (b) contacting the grafted extruded polyolefin composition with water, by exposing it to steam or moisture in the air, or by immersing it in water at ambient temperature or higher than ambient temperature; and
- (iii) coating the metal pipes by one of the following methods :
 - (a) mixing the crosslinked polyolefin composition prepared in step (ii) with a modified polypropylene, as herein described, converting the modified composition into a film, tape or strip and using it to wrap the metal pipes;
 - (b) converting the crosslinked polyolefin composition prepared in step (ii) into a film, tape or strip, coating the metal pipes with a hot melt adhesive and using the film, tape or strip to wrap the metal pipes.

(Compl. Specn. 21 pages;

Drgns. Nil.)

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970.

The claim made by Huntsman Speciality Chemicals Corporation, in connection with Patent Application No. 392/Mas/92 (180693) has been allowed.

AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendment proposed by Piaggio Veicoli Europei, SPA in respect of Patent Application No. 322/Del/1987 (170748) as advertised in part III, Section 2 in the Gazette of India on November 16, 1996 and no opposition being filed within the stipulated period, the same amendment have been allowed.

The amendment proposed by Dan Merritt & Coventry University in respect of Patent Application No. 601/Del/1987 (173935) as advertised in part III Section 2 in the Gazette of India on March 1, 1997 and no opposition being filed within the stipulated period, the same amendment have been allowed.

The amendment proposed by International Mobile Machines Corporation in respect of Patent Application No. 317/Del/1988 (178393) as advertised in part III Section 2 in the Gazette of India on June 21, 1997 and no opposition being filed within the stipulated period, the same amendment have been allowed.

RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Sec. 60 of the Patent Act, 1970 for the restoration of Patent No. 176576 granted to ECP Enichem Polimeri S.R.L. for an invention relating to method for the preparations of a solid component of catalyst for the polymerisation of ethylene and the copolymerization of ethylene with alpha olefins.

The patent ceased on the 4th May, 1997 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 21st February, 1998.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th & 7th Floor, 234/4, Acharya Jyotish Bose Road, Calcutta-700 020 on or before the 7-5-1998 under Rule 69 of the Patents Rules, 1972. A Written Statement, in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

RENEWAL FEES PAID

171819 175429 177144 177145 173519 172456 172485 172486
169478 161104 166899 163871 163726 178220 178046 172917
162202 158638 172141 174540 178281 176363 178290 173020
173186 175253 169449 178078 176926 178211 176915 162464
178283 158778 161100 161316 164354 165351 166783 171897
168813 177871 174134 174512 176386 176384 176932 176921
176922 177170 167421 165494 158836 176927 177139 167329
167964 168288 168289 161589 178079 178075 175902

PATENT SEALED ON 06-02-1998

171411 177484 178705 178706 178707 178708 178709
178710*D 178721 178722 178723 178724 178725 178726
178727 178728 178729* 178730 178731*D 178732*D
178733* 178734*D 178735*D 178736*D 178737*D
178738*F 178739*D 178740*F

CAL-07, DEL-01, MUM-20, CHEN-NIL

*Patent shall be deemed to be endorsed with words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patents.

F—Food Patents.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 1. No. 174260, Bimal Surana of J/212, Ansa Ind. Estate, Saki Vihar Road, Andheri (East), Mumbai-400072, Maharashtra, India, Indian national, "KNIFE" 10th July 1997.

Class 3. No. 174399, Reynolds, a Societe Anonyme organised under the laws of France, of Chemin Des Huguenots, 2600, Valence, France, "FOUNTAIN PEN", 28th July 1997.

Class 3. No. 174388, Astra Aktiebolag, a Swedish company of S-151 85 Sodertalje, Sweden. "FLUID CONTAINER", 22nd July 1997.

Class 3. No. 174699, Inderjit Singh, Indian national, sole proprietor of Hemkunt Industries, C 148, Mayapuri Ind. Area, Phase-II New Delhi-110064 India, "PHOTO ALBUM", 10th September 1997.

Class 3. No. 174270, Dewas Soya Ltd., a company regd. in India under the Indian Comp. Act, 1956 having its regd. office at 1-A & B-A, Industrial Area, A. B. Road, Dewas 455001, State of Madhya Pradesh, India of the above address, "JAR/CAN", 11th July 1997.

Class 3. No. 174045, The Gillette Company, A Delaware corporation of Prudential Tower Building, Boston, Massachusetts 02199, U.S.A. "PEN", 12th July 1997.

Class 4. No. 174322, The Indo-Asahi Glass Co. Ltd., Regd. & H. O. 3, Hungerford Street, Calcutta 17, West Bengal, India, an Indian public limited company duly registered under Comp. Act of India, "FIGURED GLASS", 17th July 1997.

Class 10. No. 174266, M/s. Shital Industries, C-28, site A, Industrial Area, UPSIDC, Sikandra, Agra, U.P., India, an Indian partnership concern, "THE SOLE OF FOOTWEAR", 10th July 1997.

Class 10. No. 174265, M/s. Shroff Polymers, C-5, Site B, Sikandra Ind. Area, Agra, U.P., an Indian partnership concern, "THE SOLE OF FOOTWEAR", 10th July 1997.

Class 11. No. 174207, Acushnet Company, incorporated in the State of Delaware, U.S.A. of 333 Bridge St., Fairhaven, MA 02719, United States of America, "GLOVE", 2nd July 1997.

T. R. SUBRAMANIAN

Controller General of Patents Designs & Trade Marks

प्रबन्धक, भारत सरकार मुद्रणालय, फरीदाबाद द्वारा मुद्रित

एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1998

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